

For Research Use Only

TACSTD2/TROP2 Polyclonal antibody



Catalog Number: 27360-1-AP

2 Publications

Basic Information

Catalog Number: 27360-1-AP	GenBank Accession Number: BC009409	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 750 µg/ml by Nanodrop;	GeneID (NCBI): 4070	Recommended Dilutions: WB 1:500-1:2400 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: P09758	
Isotype: IgG	Full Name: tumor-associated calcium signal transducer 2	
Immunogen Catalog Number: AG25769	Calculated MW: 36 kDa	
	Observed MW: 45-55 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls: WB : HaCaT cells, IHC : human breast cancer tissue, human prostate cancer tissue
Cited Applications: WB, IF	
Species Specificity: human	
Cited Species: human	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

Trophoblast cell surface antigen 2 (TROP2), also named as TACSTD2, is a transmembrane glycoprotein. TROP2 plays a role in transducing intracellular calcium signals. It is expressed in trophoblast cells, cornea and multi-stratified epithelia. TROP2 is overexpressed in most carcinomas and is involved in cancer proliferation, migration, invasion, and metastasis. Congenital mutations of TROP2 cause a rare autosomal recessive disease which may lead to blindness-the gelatinous drop-like corneal disease (PMID: 35688908).

Notable Publications

Author	Pubmed ID	Journal	Application
Nadja Schöne	38453684	J Extracell Vesicles	WB
Wenjuan Tang	37271476	J Adv Res	WB,IF

Storage

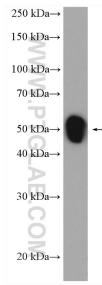
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

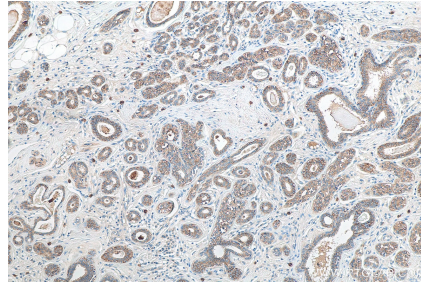
For technical support and original validation data for this product please contact:
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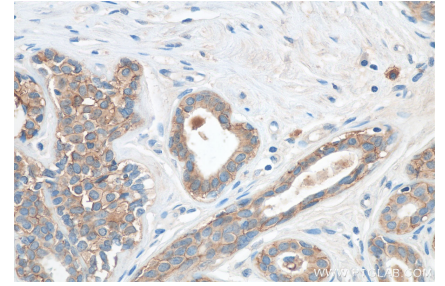
Selected Validation Data



HaCaT cells were subjected to SDS PAGE followed by western blot with 27360-1-AP (TACSTD2 antibody) at dilution of 1:1200 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 27360-1-AP (TACSTD2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 27360-1-AP (TACSTD2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).